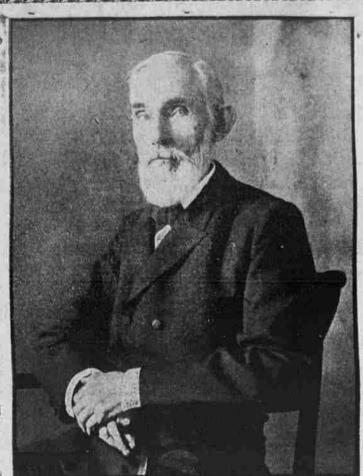
## REV. HIRAM BINGHAM DIES IN BALTIMORE HOSPITAL



THE LATE REVEREND DR. HIRAM BINGHAM.

When the San Francisco newspapers, hearts back to Apaiang, taking with

present.

the death of the Rev. Hiram Bingham, the aged missionary of Honolulu, known to the Christian world as the great 26, and stated that Dr. Bingham died been received here of his death and even at the Hawaiian Board of Misthe report to be true.

Theodore Richards said he had read the report but inasmuch as no cablegram had been received of such an imer not. He stated that he had received shelf and buckled down to hard study. a postal dated October 22, from Dr. day. The dispatch reads:

BALTIMORE, October 26,-Rev. Dr. Hiram Bingham, the noted Congregational missionary, who underwent a sur-

Hiram Bingham was born in Honoluin August 16, 1881, his partial increased courage he entertailed pioneer missionaries to the Hawaiian home stretch.

Slands. Three years after his graduation of the spring of 1893, One morning in the spring of 1893, to Miss Minerva C. Brewster of North after an absence of nearly thirty years was the mail-bag.

which we purchased with a fish-hook or which we purchased with a fish-hook or a race from barbarism to the level of civilized human beings. lost."

There in the tropics, the only white surroundings, he began to "do someties were stupendous. The climate was work over again. enervating, his eyesight poor, and after a few years he was compelled by ill-health to remove to Honolulu. But, encouraged by his wife, who was a fine

He had to collect his own vocabulary and construct his own grammar. This achievement has not been paralleled since John Eliot prepared his Bible for the Indians. Some Indicrous mistakes lack of nourishing food. Once he was occurred, as in trying to find a Gilbert-

arrived on the Siberia yesterday Hono them the New Testament in the native Inlu was confronted with the news of tongue. Before leaving there was a congratulatory gathering at their home in Honolulu at which the King was

Ten years later, at the instigation of missionary to the Gilbert Islands. The Mrs. Bingham, the second task of transdispatch was dated Baltimore, October lating the Old Testament, was begun, and Dr. Bingham, then a man nearly from an operation at the Johns Hopkins fifty years old, undertook the task. The kospital. No previous intimation had translation must be made from the Hebrew, which he had neglected for twenty-five years, having given his whole sions, the officers were loth to believe attention to Gilbertese, Hawaiian and Greek. The examination of the Hebrew points was most trying for his weak eyes. But under the inspiration of his wife's words, backed by the wish of portant event in Christian circles, he the Hawaiian Board of Missions, he could not say whether it might be true took his old Hebrew grammar from the

On his fifty-second birthday he was Bingham, in which the writer stated ready to begin translation. When about he would be operated on the following half through, a visitor brought him a copy of the Revision of 1881. This was an immense help, and gave him new courage. Then followed an illness of tional missionary, who underwent a sur-five months, but nothing could quench gleal operation at Johns Hopkins has this dauntless zeal. With the help of a pital last week, died there yesterday. his danntiess zeal. With the help of a gives familiarity with materials and 1st Semester. Dr. Bingham was born in Honolulu in physician's restrictions of "no letter 1837, to which place his parents had writing, no visiting, not much talking gone from America in 1820 as pioneer or walking, but much lying down," he steadily improved, his eyesight grew facture. h August 16, 1831, his parents being stronger. Then

to Miss Minerva C. Brewster of North-hampton, Massachusetts, and the young couple took passage almost immediately on the first Morning Star for the Gilbert Islands. The group lies nearly on the Islands. The group lies nearly on the squator, where the mercury never drops being put into type. A proof was taken Below 76. Thei house, 24x16, received and Dr. Bingham read the words aloud the significant name of Happy Home. in Gilbertese, his voice trembling with Their food was almost as meager as emetion. The little company adjourned John the Baptist's, consisting of fish, to the big press room, the type was eccounts and pandanus aruit. Once a placed in form, the wheels revolved, and year the Morning Star brought other the last page of the first Bible in Gifsupplies, but her most precious cargo bertese was printed. A prayer of thanksgiving and the singing of the "It was pretty hard," said Dr. Doxology followed. Booming of can-Ringham, in an autobiographical sketch, non, music, oratory, banners, and flow-"to have our first mail appropriated by ers often accompany the launching of the natives, who thought it was some a battleship or the opening of a new kind of new food. As we visited their canal. Yet conquest of material forces hats, we found fragments of letters, which we purchased with a fabbook or with the victory of a faith which lifts

His latest literary effort has been the preparation of a Gilbertese dictionman on the island, amid uncongenial ary. This work was made ready for publication, and the manuscript loansaid to him: "Make yourself master of their language. . . Translate and publish the Scriptures." The difficulties were standard of the first volume of his "French Review of the were standard of the first volume of his "French Review of the were standard of the first volume of his "French Review of the were standard of the first volume of his "French Review of the were standard of the ed to an Englishman, through whose serving maid, Dr. Bingham began the

It took him ten years, and the monu linguist, he entered upon the task of that language, and supervised the actually making a language.

ing. translated the whole Bible into that language, and supervised the printing of the volume. He had suplied other means of education and Christian culture by preparing this dic-tionary, hyme-books, and miscellaneous literature. He suffered from repeated illness, due to a tropical climate and so weak that he was carried on a litter on board the Morning Star, on

## THE COLLEGE OF HAWAII **ENGINEERING COURSES**

subjects relating to the practical affairs railways, telephones, electric lighting, of life. Formerly chemistry and physics electro-metallurgy, and the generation, were taught as pure sciences, now they transmission, and utilization of electric are often taught from the standpoint power. The large amount of laboratory liners of the Pacific Mail Steamship deny that time might bring about such of their bearing on practical affairs, work required aims to educate the stu-Likewise, mathematics and mechanics dent in accurate observation, proper are now taught with reference to the order and form in recording observa- idly at anchor, gathering seaweed in "We will continue on our schedule, man's activities upon which they have tions, the drawing of correct inferences the harbor of Hongkong or accumulat- and if the business is there we will a direct bearing. These points of view and the setting forth of his work in ing barnseles in the bay of San Fran- handle it and fight for it," explained are gradually bringing about a change concise English, and also to impart such cisco. This is inevitable unless Conin our estimates of the value of sub-knowledge of electrical engineering as gress comes to a realization that an to be had-if the ships go out emptyjects; namely, that any subject that will fit him to enter any of its branches. American merchant marine can not be it then will be up to the board of dihas a bearing on the affairs of life has Sufficient practise is given in the hand- maintained on the Pacific Ocean witheducational value when taught with a ling of dynamos and electrical machin- out a subsidy, such as is voted by the pursue." view point of intellectual training. This ery and instruments as will enable the conception is at the foundation of our student to carry out independently any many, France, Canada and Japan. best technical colleges and of the tech- tests or measurements apt to occur in nical courses in the state universities. practise. The importance of details is The college of Hawaii is offering impressed upon him by the solution of sion's new ruling, requiring transconcourses in engineering that are design numerous practical problems in continental railroads to publish their proed to give a thorough training in the structive engineering and designing, portionate rates on transpacific freight fundamental principles upon which pro- working drawings being required where fessional engineering practise is based necessary. and to illustrate the application of these principles by the solution of many The course in civil engineering recogpractical problems. In general, the nizes at once this branch of engineercourses of instruction are laid out on ing as the oldest and broadest of the university lines and the work required engineering professions comprising as will be of equal grade. Young men it does, municipal engineering with its entering these courses are expected to problems of water supply, sewage dis-

serious work of mastering technical tions and retaining walls; and transporsubjects may not be hampered by lack tation engineering, including the buildof proper ground work. Realizing the ing of railways, canals, docks and tunto fit its graduates to assume those ad- facility for mastering them, by contintechnical training.

Mechanical Engineering.

ing is planned to afford a systematic small value, while accuracy and neatand thorough training in general engi- ness in drawings and computations are neering, covering in addition to the an invaluable aid. The details and cost laid up at Hongkong subject to call. "The public at large has no idea of more purely mechanical subjects, exer- of construction are dwelt upon sufficises in electrical measurements and cinetly to impress the student with sion, carrying passengers and freight this country to the Orient by way of testing, in chemical technology, in their importance in the problems of de- to and from the Orient, and of late the Atlantic ocean and Suez canal," hydraulies, in sugar engineering and in sign with special regard to theory and have been coming into port here with said Mr. Schwerin yesterday. "Wa the engineering of power plants. This economy. is intended to afford an insight into As will be seen by the following of the United States on the through the Suez route, and practically all the actual industrial and engineering prac-outlines the courses in all three rates that can not prevail after No-freight going by that route is carried tise, and to this end the correllated branches of engineering are parallel training of the faculties is assured by through the first two years, while the courses in the laboratory, the work- mechanical and electrical engineering shop and the drafting-room. Many en- courses differ only in the fourth year. gineering graduates begin their profes. The divergence of the course in civit sional life in a drafting office and to engineering from the other branches befit them for this work the training in gins at the close of the second year mechanical drawing emphasizes acea- and continues throughout the last two racy, speed, order and neatness. In years, struction in the shops and laboratories appliances, an understanding of the German or French..... 

Electrical Engineering.

quired by men who wish to enter pro- German or French..... electricity to the useful arts, and is de- Analytic Geom. ..... . . . . . . . . . . . . . . . . Chemistry.. .......

was a pretty long stretch. But, after all, my greatest trial has been in seeing some of the native converts lapse Tropical character apt to have a slim foundation of ethics.

listen skeptically to stories of their former savage condition and the danger to life which beset travelers in Calculus (Differ) of Christ and his devoted wife countof Christ and his devoted wife counts of their lives dear, but gave them unreservedly to those degraded heathen. Scholars all over the world recognize the magnitude of their service to humanity. Prof. Edward C. vice to humanity. Prof. Edward C. German er French. wice to humanity. Prof. Edward C.
Moore of Harvard said recently—thas
indorsing Professor Thayer's earlier
estimate of Dr. Bingham as a man who
has "done something": "When I
think of what he has done during
think of what he has done during

and placed in a hospital.

One of the noteworthy features of signed to give special preparation to eigher education in the United States any who may be concerned with its s the prevalence in the curriculum of commercial aspects including electric

Civil Engmeering.

be well grounded in the physical posal and highway construction; sciences, and in mathematics up to, and hydraulic engineering with its quesincluding solid geometry and plain tions of irrigation and water-power detrigonometry, and it is desired to im- velopment; structural engineering, dealpress upon them the necessity of thor- ing with the design of bridges, steel ough preparation in order that the more and concrete buildings, roofs, foundavalue of general culture to the success- nels. This wide range of subjects canful engineer, liberal provision has been not be covered in detail in a four-year made for the humanities with a view course, hence the students' attention to their influences upon the students' is concentrated upon the comparatively future professional practise. It is the few principles underlying all branches aim of the department of engineering of the profession, and he is given every ministrative responsibilities which are nous drill in the class-room and by more and more devolving upon men of actual practise in the field, the drafting rooms and the laboratory. He is taught er freighter Aztec has been taken off of such transpacific rates compared that knowledge, when not accom-The course in mechanical engineer- panied by the ability to use it, is of South America for the same reason, the same kind of freight the same dis-

First Year Engineers.

Pattern making ..... 

Second Year Engineers. Chemistry . .....

bertese dictionary, and he therefore died on duty.

P. C. Jones said yesterday that it was astonishing that Honolulu was not notified of Dr. Bingham's death, and yet he is satisfied that the published statement is correct. He heard Dr. Bingham make an address two weeks ago Sunday in Dr. Simpson's church in New York. Mr. Jones says that Dr. Bingham was ill of pneumonia in the Bingham was ill of pneumonia in the East and when Mr. Jones was in New Machine Design 4 Engineering Lab. 3 Forestry 4 Forestry 3 Forestry 4 Forestry 5 Dr. Bingham married Minerva Clar- Mechanical Lab ...... 2 Hrs. Reqd. ..... 20 Fourth Year Mechanical Engineers. | Irrigation Eng. ..... 5 

## THE PACIFIC MAIL FACES A FAILURE WITHOUT SUBSIDY

trade gone and be condemned to ride for existing conditions can be found. governments of Great Britain, Ger-

Caught Between Grindstones.

The Interstate Commerce Commisas well as their transcontinental rates for similar freight, will go into effect on November 1. The executive officers of the Pacific Mail assert that after that date their freight business will be crushed between the upper and nether grindstones of competition with subsidized rivals from foreign countries and prohibition at home against any further making of through tariffs, in conjunction with American rail-

Has Nine Large Vessels.

Nine large vessels comprise the Pa cific Mail Steamship Company's fleet. They, with their net tonnage, are:

manchuria ...... 8750 tons Mongolia ..... 8750 tons Siberia ...... 5655 tons Korea ...... 5651 tons China ...... 3186 tons Algoa ..... 4897 tons Asia ..... 2936 tons Persia ..... 2744 tons Aztee ..... 2298 tons

taken off the transpacific run and is in the United States. vember 1.

Will Continue Schedule.

When asked what the company will sidized. do with its ships after that date, R. P. Schwerin, its vice president and the Oceanic Company's."

Credits. Engineering and Sugar Plants..... 3 to interfere with through ratings from Hrs. Reqd. ..... 21 Atlantic and the Suez canal. 2 Power Plant Testing ..... Hrs. Reqd. ...... 23 Specifications and Contracts...... 2 board, with their cheap crows and gen-The course in electrical engineering 2nd Semester. Credits. Electives . . . . . . . . . . . . 5 erous subsidies, always has been a hard Hrs. Reqd. ..... 20 proposition. Fourth Year Electrical Engineers. Credits. 1st Semester. 5 Thermodynamics . . . . . . . . . . . . 5 3 Electrical Machinery Design ..... 8 3 Dynamo Lab. . . . . . . . . . . . . . . . . 4 

Hrs. Reqd. ..... Credits. 2nd Semester. Credits. 3 Electric Power Plant Design ..... 3 Engineering Economics ...... 3 Electro. Chem. and Met. ...... 2 H. T. Testing and tras..... 2 3 Electives . ..... Hrs. Reqd. ..... 20 Third Year Civil Engineers. 1st Semester. Credits. Mechanics (elem.) ..... 4 Geology . ..... Structural Design ...... 3 Credits. Materials and Metallurgy...... 4 Astronomy . .....

3 Bridge Design ...... 

I Concrete and Masonry Structues .. 2 Water Supply ..... 

San Francisco Examiner, October 27 | literally, Mr. Schwerin explained that -Put out of commission, as effectual- he used that as a figure of speech ly as if captured and held as prizes by, and that he hoped such a contingency a bostile mavy, the merchantmen and would not arise, though he did not Company's fleet soon may find their a state of affairs unless some remedy

Mr. Schwerin, "If the freight is not rectors to decide what course they will

Rivals Liberally Subsidized.

That the Pacific Mail Steamship Company's two principal rivals on the Pacific cean, the Canadian Pacific Steamship Company and the Toyo Kisen Kaisha Company, are subsidized liberally by their respective governments has been known for some time, and by virtue of their subsidies they have cut deeply into the Pacific Mail's business.

By arranging with the great transcontinental railroads of this country a working basis for carrying transpaeific freight either way on through rates, the Pacific Mail has been able to compete for some share of the busi-

A factor in this arrangement was that the initial shipper made the rate for both land and sea. On business going to the Orient the milroad made the rate and got the lion's share, according to the understanding of shippers. On business coming from the Orient the Pacific Mail Company made the through rate, of which it got a remunerative portion.

This arrangement, it is said, worked satisfactorily until the Interstate Commerce Commission insisted upon knowing exactly what proportionate pagts Of these, the big freighter Algon is of these rates the transcontinental raislaid up for lack of business, the small- roads were getting, and how their share the coastwise trade to Central and with their domestic rates for carrying while the Asia temporarily has been tance on the same rails between points

The other ships are still in commis- | the amount of freight that goes from large eargoes billed to interior cities always have been in competition with in foreign bottoms-mostly German au-t British vessels-and they all are sub-

"Owing to their subsidies they are able to allow the railroads bringing general manager, replied with a laugh: them freight from points in the inte-"Anchor them out in the stream with rior, like Chicago and Pittsburg, full interstate freight rates. As a conse-When asked whether he meant that quence the Interstate Commerce Commission never has had any opportunity

> Credits. "Another thing, the crews of those 2 the foreign vessels on the Atlantic sea-

> > Fight for Every Cargo.

"On the Pacific ocean also we are in competition with two strong lines, both subsidized by their governments, and we had to fight for every bit of freight. As long as we could cooperate with our transcontinental railroads, on the basis of the initial shipper making the through rate, we have been able to get a share of the business. But the new rule of the Interstate Commerce Commission makes it impossible to continue on that basis.

"Suppose a hundred pounds of machinery is being shipped from Kansas City to Hongkong on a through rate. The Interstate Commerce Commission requires the railroad haulings that freight from Kansas City to this port to publish its share of that through rate, and at the same time requires the railroad to publish its domestic rate for hauling from Kansas City to San Francisco or nearby points another hundred pounds of the same kind of machinery.

"Naturally the railroads decline to do that. Anyone can see what the result ultimately would be. If the railroad's portion of a through rate to the Orient should be found to be less than the railroad's domestic rate on the same kind of freight, domestic shippers immediately would clamor for the railroad's lower figures on export business,

"It is no wonder that the railroads refuse, but we, as the transpacific carriers, will be the sufferers. I cannot understand how it is that the government at Washington can have so little comprehension of the situation as to enact such laws."

MUSCULAR PAINS.

Hundreds of testimontals could be furnished showing the great pain re-ileving power of Chamberlain's Pain Baim in eases of muscular rheumatism, lameness or soreness of the muscles from any cause. It is for sale at all dealers. Benson, Smith & Co., Ltd., 20 agents for Hawaii.